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THE PROPORTION OF DIAMETER CLASSES IN THE LONGLEAF-SLASH PINE STANDS OF SOUTHEAST GEORGIA

BY

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* - This series of publications releases data gathered in connection with investigations being carried on at the Southern Station. The information contained in them is subject to correction or amplification following further investigation. - Editor

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The following tables show the proportion of the different sizes of trees in the turpentine timber in a survey unit that contains approximately 10 million acres in 35 counties in southeast Georgia. This area embraces all of the active naval stores belt in Georgia that lies in the counties east of a line drawn from Hawkinsville in Pulaski County to Statenville in Echols County. The survey unit (Unit O) may be located more definitely on the attached map.

The figures presented were gathered during the period from December 1933 to June 1934 in the course of the field inventory of forest resources now being made in the South by the Forest Survey as a part of the activity of the Southern Forest Experiment Station which is maintained by the U. S. Forest Service, at New Orleans, Louisiana. These figures represent only a minor part of the comprehensive data being obtained by actual field count and measurement. They are being released in advance of the Survey report for the unit because of the present need of the naval stores industry for such information.

The field survey of the unit has just been completed and the computation of the data is under way. The first survey report should be ready for distribution before the end of the year. Other data of similar character will be released for distribution from time to time prior to the first report.

The percentage figures given here are preliminary in character, and although they are subject to final correction as the computational work progresses it is not thought that they will be materially changed.

Table I shows the proportion of the total number of round longleaf and slash pine trees in the unit that are found in each two-inch diameter class.

TABLE 1. - Distribution of round longleaf and slash pine trees by diameter[1] classes

D.B.H.	Percent total number of round trees
Inches	
3.0 - 4.9	49
5.0 - 6.9	30
7.0 - 8.9	15
9.0 - 10.9	4
11.0 - 12.9	1
13.0 and larger	1
	100

[1]Diameters are measured at a point 4½ feet above the ground

Table 2 shows the proportion of the total number of working longleaf and slash pine trees that are found in each two-inch diameter class. It should be noted that this table concerns trees only and not faces or cups. The percentage of cups hung on trees of various diameters will be made the subject of a later release.

TABLE 2. - Distribution of working longleaf and slash pine trees by diameter classes

D.B.H.[1]	Percent total number working trees
Inches	
3.0 - 4.9	neg.
5.0 - 6.9	3
7.0 - 8.9	33
9.0 - 10.9	29
11.0 - 12.9	19
13.0 - 14.9	10
15.0 - 16.9	4
17.0 - 18.9	1
19.0 and larger	1
	100

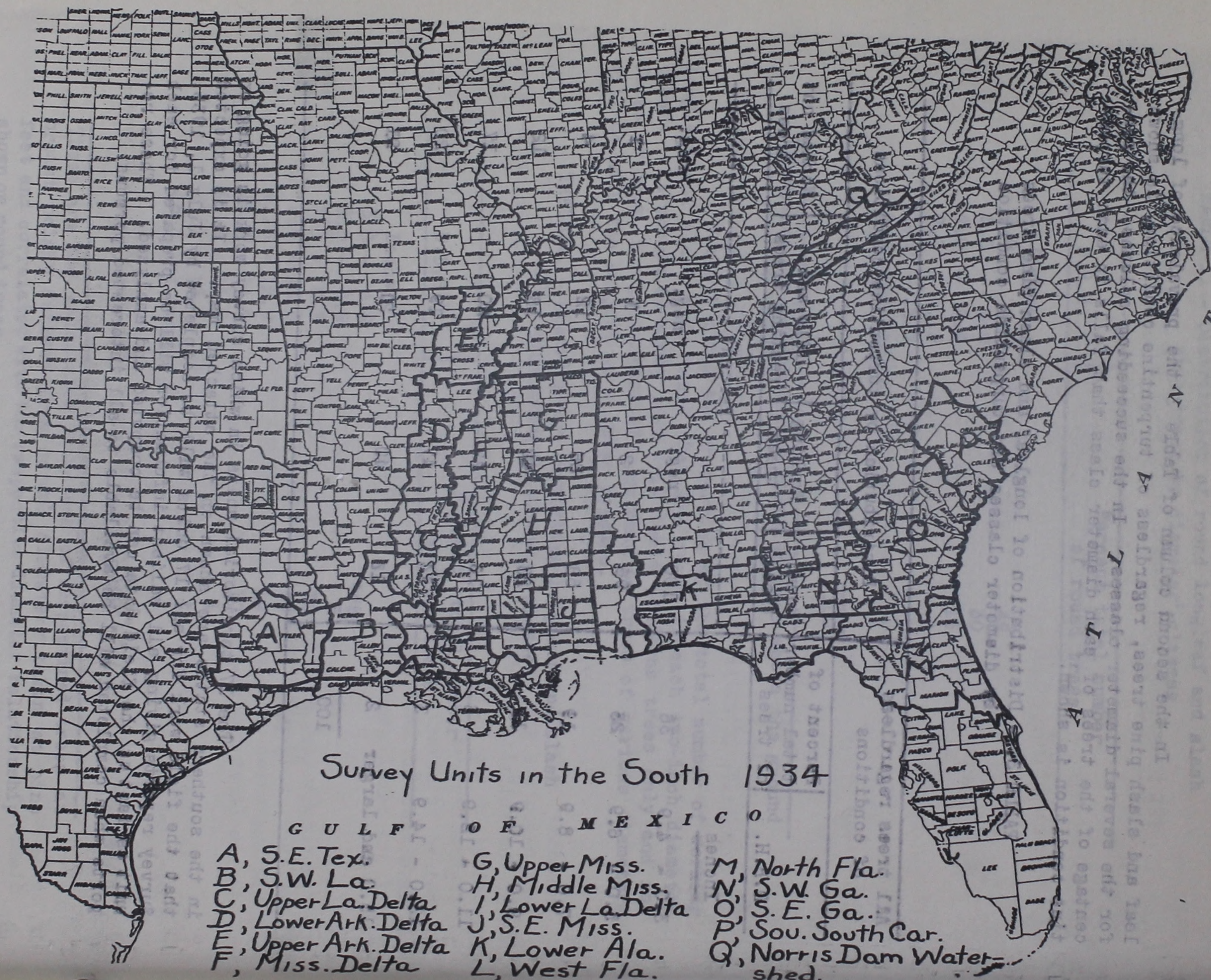
[1]These are the calculated diameters of turpentined trees at breast height derived from actual diameters taken at nine feet and correlated with the respective diameter relationship shown on round trees.

In the second column of Table 3 the prevalence of longleaf and slash pine trees, regardless of turpentine condition, is shown for the several diameter classes. In the succeeding columns, the percentage of the trees of each diameter class that falls in each turpentine condition is shown.

TABLE 3. - Distribution of longleaf and slash pine trees by diameter classes and turpentine condition

All trees regardless of conditions		Distribution by turpentine conditions			
D.B.H.	Percent of total number of trees	Round trees	Working trees	Idle and resting trees	Worked out trees
Inches		---------- Percent ----------			
3.0 - 4.9	36	100	neg.	neg.	neg.
5.0 - 6.9	23	96	2	1	1
7.0 - 8.9	19	58	26	12	4
9.0 - 10.9	11	28	42	18	12
11.0 - 12.9	6	16	47	20	17
13.0 - 14.9	3	14	47	19	20
15.0 and larger	2	18	40	21	21
	100				

The 17 territorial units in which survey work is going on in the southern states are shown on the attached map. It is expected that the field work for all 17 units will be completed by July 1, 1935. Survey reports giving all salient information will be prepared for each unit as fast as the field data can be computed and analyzed. These reports when completed will be available to all interested persons.



Survey Units in the South 1934

A, S.E. Tex.
B, S.W. La.
C, Upper La. Delta
D, Lower Ark. Delta
E, Upper Ark. Delta
F, Miss. Delta
G, Upper Miss.
H, Middle Miss.
I, Lower La. Delta
J, S.E. Miss.
K, Lower Ala.
L, West Fla.
M, North Fla.
N, S.W. Ga.
O, S.E. Ga.
P, Sou. South Car.
Q, Norris Dam Watershed.